

DRILL HOLES

BORDER REV. DATE: June 11, 2004

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PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE RECONSTRUCTION OF GUILFORD ROAD AT DORSEY RUN ROAD INTERSECTION. PARTIAL RECONSTRUCTION OF THE TRAFFIC SIGNAL IS REQUIRED. GUILFORD ROAD IS ASSUMED TO RUN IN AN EAST - WEST DIRECTION, DORSEY RUN ROAD IS ASSUMED TO RUN IN A NORTH - SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION WILL OPERATE AS IN EXISTING CONDITIONS. THIS SIGNAL IS INTERCONNECTED TO THE EASTBOUND MD 32/ DORSEY RUN ROAD AND THE WESTBOUND MD 32/ DORSEY RUN ROAD SIGNALIZED INTERSECTIONS.

CONTROLLER REQUIREMENTS

INSTALL A NEMA 8 PHASE CONTROLLER IN A NEMA 6 BASE MOUNTED CABINET.

THE PRESENCE AND SAMPLING DETECTION REGIONS SHALL BE MONITORED/ACTUATED WITH VIDEO-DETECTION CAMERAS AND MICRO PROBE LOOP DETECTION. THE ADVANCED DETECTION REGIONS SHALL BE MONITORED/ACTUATED WITH NON-INVASIVE DETECTORS.

SPECIAL NOTES

1. THE FOLLOWING CONTACT PERSONS FOR DISTRICT #7 ARE AS FOLLOWS:

PROJECT CONTACTS:

MR. JOHN CONCANNON, ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (301) 624-8140

MR. RAY JOHNSON, ASSISTANT DISTRICT ENGINEER- MAINTENANCE
PHONE: (301) 624-8105

MS. ANDREA ABEND, UTILITY ENGINEER
PHONE: (301) 624-8115

MR. RICHARD L. DAFF, SR. CHIEF TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630

2. MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR ACCORDING TO THE MOT PLANS. REFER TO MOT PLAN PHASE 2A.

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
114015	10 INCH YELLOW NONTTOXIC LEAD FREE WATERBORNE PAVEMENT MARKING PAINT	LF	18.0
114045	24 INCH WHITE NONTTOXIC LEAD FREE WATERBORNE PAVEMENT MARKING PAINT	LF	48.0
816001	VIDEO DETECTION CAMERA	EA	1.0
816010	CONTROL CABLE, 500 FOOT, VIDEO DETECTION CAMERA TO CONTROLLER	EA	1.0
860265	RELOCATE EXISTING SIGNAL HEAD	EA	1.0
860284	12" LED VEHICULAR TRAFFIC SIGNAL HEAD SECTION	EA	3.0
861107	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)	LF	100.0
800000	REALIGN EXISTING VIDEO CAMERA	EA	1.0

C. MATERIALS TO BE REMOVED BY THE CONTRACTOR.

ALL MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME PROPERTY OF THE CONTRACTOR.

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION.

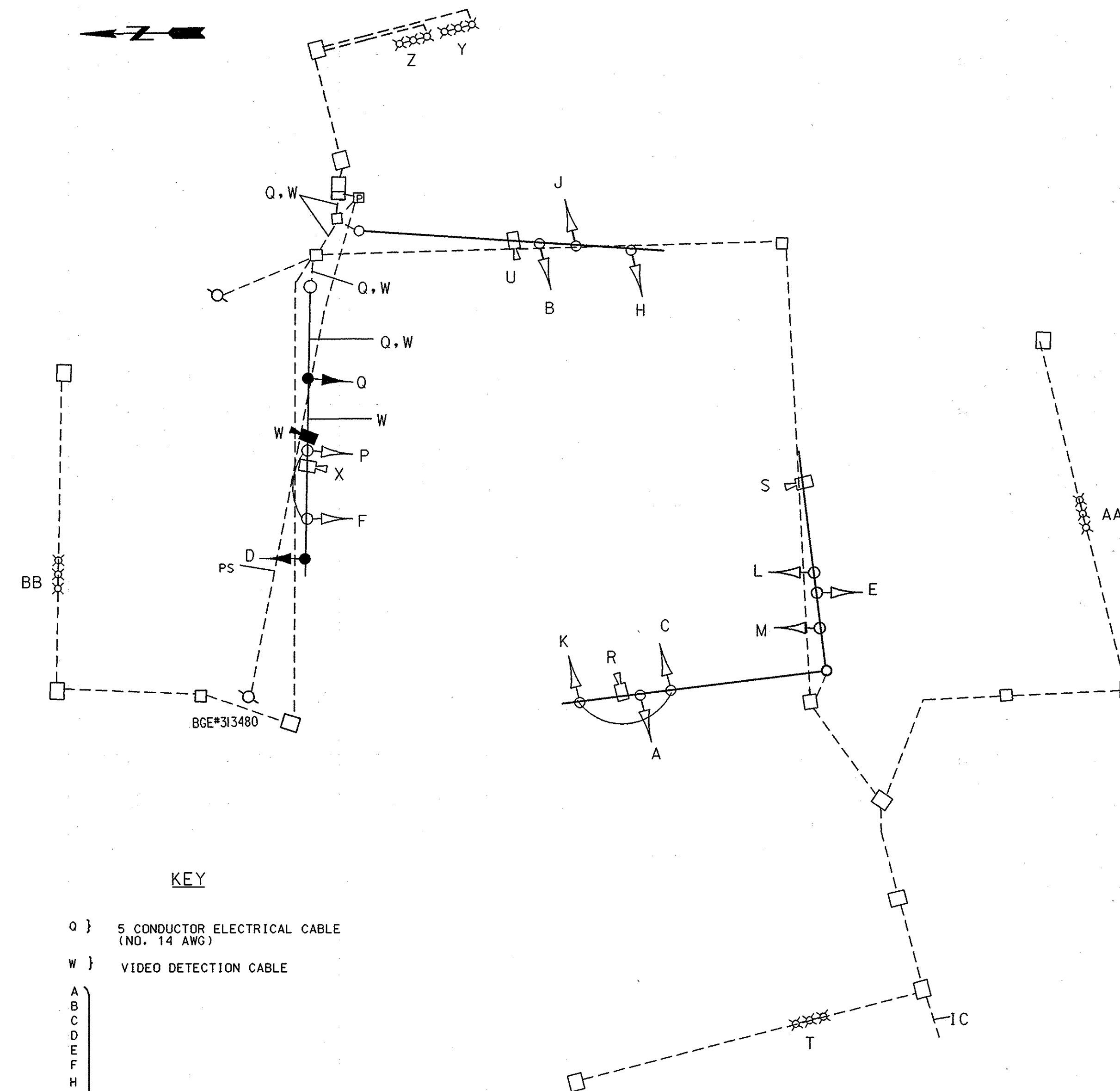
CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
900000	VIDEO DETECTION INTERFACE EQUIPMENT FOR 5-8 CAMERAS	EA	1

PHASE CHART

1	2	3	4	5	6	7	8	9	10	11	12	13
(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)
12"	12"	12"	12"	12"	12"	12"	8"/12"	12"	12"	8"/12"	12"	12"

2 AND 5 OR 2 AND 6	1	2	3	4	5	6	7	8	9	10	11	12	13
PHASE 2 AND 5	R	R	R	+G/G	+G/G	G	G	R	R	R	R	R	R
2 AND 5 CHANGE	R	R	R	+Y	+Y	Y	Y	R	R	R	R	R	R
PHASE 2 AND 6	G	G	G	G	G	G	G	R	R	R	R	R	R
2 AND 6 CHANGE	Y	Y	Y	Y	Y	Y	Y	R	R	R	R	R	R
PHASE 3	R	R	R	R	R	R	R	R	R	+G/G	+G/G	G	G
3 CHANGE	R	R	R	R	R	R	R	R	R	Y	Y	Y	Y
PHASE 4	R	R	R	R	R	R	R	+G/G	+G/G	G	R	R	R
4 CHANGE	R	R	R	R	R	R	R	Y	Y	Y	R	R	R
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R

WIRING DIAGRAM



KEY

Q } 5 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)

W } VIDEO DETECTION CABLE

A }
B }
C }
D }
E }
F }
G }
H }
I }
J }
K }
L }
M }
N }
O }
P }
Q }
R }
S }
T }
U }
V }
W }
X }
Y }
Z }
AA }
BB }

EXISTING CABLE

PS POWER SOURCE

IC INTERCONNECT CABLE

SHA NO : BW389M84
DORSEY RUN ROAD
AND GUILFORD DRIVE



Gannett Fleming

4701 Mt. Hope Drive
Seton Business Park
Baltimore, Maryland 21215
410-585-1460

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
TEMPORARY TRAFFIC SIGNALIZATION PLAN - PHASE 2A
GUILFORD ROAD AT DORSEY RUN ROAD
ROADWAY IMPROVEMENTS

GENERAL INFORMATION

SCALE NTS DATE SEPT. 2007 CONTRACT NO.

DESIGNED BY DKS COUNTY HOWARD

DRAWN BY DKS LOGMILE 13732R00.56

CHECKED BY ICC T.I.M.S. NO. 6467

F.A.P. NO. TOD NO.

DRAWING NO. TS 42538 -G1 OF SHEET NO. 91A OF 156